PERSONAL INFORMATION

- Place of birth: Athens
- Nationality: Greek
- Email: ibaziotis@aua.gr

STUDIES

- 1998 – 2002: Graduate studies: Department of Geology, School of Sciences, National and Kapodistrian University of Athens. Grade: 7.23 (Very Good)(Bsc Thesis: “Acid mine drainage in the underground mines of Lavrion area”)
- 2003: Pre-doctoral Studies: Department of Geological Sciences, School of Mining and Metallurgical Engineering, National Technical University of Athens
- 2008: PhD Thesis with title: «Petrology and geochemistry of metamorphic rocks from Attica» (Decision 13-01-2003). Supervisor: Prof E. Mposkos.

RESEARCH EXPERIENCE – PROJECTS - WORKSHOPS

- 25-10-2004 until 31-01-2005: During European Student Mobility Project SOCRATES/ERASMUS worked at the Intitute of Mineralogy-Petrology of the University of Graz. I trained at the objective of secondary electron microscopy (SEM), electron microprobe (EMP), x-ray fluorescence (XRF) and inductively coupled plasma mass spectrometry (ICP-MS), under the guidance of Prof. Georg Hoinkes, Prof. Christoph Hauzenberger, Prof. Carl Ettinger and Dr. Alexander Proyer. I participated in the context of my PhD Thesis, and the research projects "Pythagoras I" and "Protagoras". I`ve conducted a series of in-situ mineral microanalysis and rock analysis, and process the data using software like PERPLEX, Thermocalc and TWEEQU.
- 2004-2006: Protagoras with title: "Petrological study of diamondiferous rocks (Ultra-high pressures) in Central and Eastern Rhodope" funded by NTUA.
- 2004-2006: Pythagoras I with title: "Petrological and geochemical study of diamondiferous rocks (UHP) in Central and Eastern Rhodope" funded by EPEAEK.
- 2008-2010: PEBE 2008 with title: "Petrological and geochemical study of eclogites from Kechros Complex in Eastern Rhodope" funded by NTUA.
- 2012: National Aeronautics Space Agency (NASA) Cosmochemistry grants NNX11AG58G for the study of Martian meteorite, Tissint.
- 2012: National Science Foundation (NSF) of America for the project entitled: “Characterization of the Timing and Nature of Metasomatism in the Siberian Lithospheric Mantle”
- 2018: Organizer of the “Empirical and Ab Initio Thermodynamic Models of Minerals and Melts”, 18th-22nd June 2018, Milos Island, Greece.
- 2018: Organizer of the SERES meteorite exhibition: “200 years and 80 days”, 7-11th November 2018, Athens, Greece.
- 2019 (26th January – 14th February 2019): Visiting Scholar supported by the office of the Provost at University of South Carolina (USA).
- 2019-2023: Organizer of the series of Electron Probe Microanalyser Workshop in Greece. Title: “Recent Developments and Applications in earth sciences of electron probe micro-analysis”.

RESEARCH EXPERIENCE - FUNDING

- 2012 -2015: Project for “Supporting Postdoctoral Reserachers, with title « **Study of kinetic processes associated with small- to intermediate scale-lengths of mantle**

heterogeneity». Principal Collaborators: Giampero Poli (University of Perugia, Perugia, Italy), Antonios Koroneos (Aristotle University of Thessaloniki, Thessaloniki, Greece). Secondary collaborators: Paul D. Asimow (University of Caltech, Pasadena, Los Angeles, USA), Theo Ntaflos (University of Vienna, Austria, EU). Budget 150.000€. Funded by the European Social Fund and the Greek State.

- 2015: Synthesys Project with title: «**Characterization of the shock metamorphism of a suite of specific shocked ordinary chondrite meteorites and implications on our understanding of the properties of asteroids, At** Natural History Museum of Vienna. Budget 5.000€.
- 2015-2016: IKYDA Project at the bilateral agreement between Greek State Scholarships Foundation and DAAD, with title: «Petrological and geochemical study of composite mantle xenoliths ». Budget 10.000€.
- 2015-2017: Principal Investigator of project with code 34.0814 and title: «Laboratory tests in rock samples and drilling cores». ELKE of Agricultural University of Athens. Budget 5.000€.
- 2017-2018: Europlanet 2020 with title: «**Characterization Of the Primary Melt Inclusions And Phosphates In Martian Meteorite Tissint and Lunar meteorite NWA 773: Implications for understanding the History of volatiles in planetary Interiors**". Εκπόνηση στο Open University Milton Keynes, UK. Budget 5.000€.
- 2019-2020: Synthesys with title: « **Shock metamorphism investigations of a suite of shocked ordinary chondrite meteorites and implications on the dynamics of impacts on their parent body asteroid(s)**". At Natural History Museum of Vienna. Budget 5.000€.
- 2019-2021: "**Mineralogical and spectroscopic study of ordinary and carbonaceous chondrites**". Funded by the European Union and the Greek State. Budget: ~41.500€.

TEACHING EXPERIENCE AT BSC LEVEL

- 2003-2004 until 2008-2009: Participation and teaching for six academic years of the laboratory exercises of the course «Petrology», 2nd Semester, of the School of Mining and Metallurgical Engineering (as PhD candidate).
- 2012: Teaching at the Planetary Geosciences Institute, Department of Earth and Planetary Sciences, University of Tennessee. Teaching seminars at the topics: (1) Ultra-High Pressure Metamorphism, (2) Geothermobarometry Part-I and (3) Geothermobarometry Part-II.
- 2014-today: Co-teaching of "Mineralogy-Petrology", "Mineralogy-Geology" and "Geology-Geomorphology"
- 2014-2016: Co-teaching of "Stratigraphy-Geomorphology"

TEACHING EXPERIENCE AT MSC LEVEL

- 2018-2019-today: Co-teaching of "Environmental Geology-Geochemistry", "Advanced analytical techniques for rocks and geomaterials", «Natural risks and disasters» and «Geoenvironment and infrastructure projects»

LECTURE NOTES FOR STUDENTS

Baziotis, I. 2015: Lecturer notes in Petrology. In printed version.

COMMITTEE MEMBER - SUPERVISION

Supervisor or co-supervisor of 17 Bsc students
Supervisor of 2 Msc students and co-supervisor of 2 Msc students
Supervisor of 2 PhD students and co-supervisor of 1 PhD

INVITED LECTURES

More than 25 lectures at different audiences.

EXPERIENCE IN ANALYTICAL INSTRUMENTS

- Optical Microscopy (transmitted and reflected light); Raman Spectroscopy: (1) RM1000B of Renishaw; JY Horiba LabRam HR 300 mm; Secondary Electron Microscopy

(SEM), JEOL JSM-6310; Electron Microprobe **(**EMP) Cameca SX-100; JEOL JXA-8530F Field Emission Gun Electron Microprobe (FE-EMP) and JEOL JSM-6610 Variable Pressure (VP) Scanning Electron Microscope (SEM); Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP MS - Laser Ablation Agilent 7500ce ICP-MS); Agilent 7500a ICP-MS equipped with a 193 nm ArF excimer laser; X-ray Fluorescence and ICP-MS; X-Ray Diffraction (XRD) and interpretation of diffractograms; Differential Thermal Analysis (DTA).

INTERNATIONAL SCIENTIFIC COLLABORATIONS

- Division of Geological and Planetary Sciences, California Institute of Technology, California, USA (Prof. Paul Asimow); Planetary Geosciences Institute, University of Tennessee, Knoxville, USA (Prof. Harry McSween); Jet Propulsion Laboratory, California, USA (Dr. Liu Yang); School of Earth, Energy and Environmental Sciences, Stanford University, California, USA (Prof. Gary Ernst); Department of Geoscience, University of Nevada, Las Vegas, USA (Ass. Prof. Arya Udry); University of Vienna, Vienna, Austria (Prof. Theo Ntaflos); Natural History Museum of Vienna, Vienna, Austria (Dr. Ludovic Ferrière, Prof. Christian Koeberl); Institute für Mineralogie, Universität Münster, Germany (Prof. Stephan Klemme, Dr. Alexander Krohe); German Research Centre for Geosciences, Helmholtz-Zentrum Potsdam, Germany (Dr. Nicole Hoymann); Department of Natural Resources and Environmental Studies, National Dong Hwa University, Hualien, Taiwan (Prof. Chin Ho Tsai).

MEMBER OF SCIENTIFIC ORGANIZATIONS-OTHER SCIENTIFIC ACTIVITIES

Reviewer for NASA "NPP postdoctoral proposals" (2016-today)

- Member of European Geosciences Union; Meteoritical Society of America; European Association of Geochemistry; Union of Greek Geologists
- Young Scientist Representative in the field of Geochemistry– Mineralogy – Petrology– Volcanology of European Geosciences Union (2013-2014)
- Reviewer for Acta Astronautica; Canadian Mineralogist; Earth, Moon and Planets; Geochemisty, Geophysics, Geosystems; Geochimica et Cosmochimica Acta; Geology; Geosciences Journal; International Journal of Mineral Processing; Journal of African Earth Sciences; Journal of Petrology; Journal of Raman Spectroscopy; Lithos Journal; Meteoritics and Planetary Science; Minerals; Mineralogy and Petrology; Planets; Scientific Reports; Terra Nova; Bulletin Geological Society of Greece

SCHOLARSHIPS - AWARDS

- 2001-2002: Scholarship for the best degree at 3rd year of studies (Greek State Scholarships Foundation).
- 2003: Scholarship from ELKE of National Technical University of Athens
- 2003-2007: Greek State Scholarships Foundation.
- 2008: Academy of Athens: Ktenas Prize for the paper entitled: «Petrogenesis of ultramafic rocks from the ultrahigh-pressure metamorphic Kimi Complex in Eastern Rhodope (NE Greece). Journal of Petrology, 49, 5, 885-909».
- 2017: Best Practice for the Project with title: "Study of kinetic processes associated with small- to intermediate scale-lengths of mantle heterogeneity"
- 2017-2018: Participation to NASA-funded mission Antarctic Search for Meteorites (ANSMET) operated by Case Western Reserve University (Ralph Harvey) and Utah University (James Karner), and supported by NSF, in Antarctica.
- 2020: Funding for the project with title: «Chemical and spectroscopic characterization of shock metamorphism features in a suite of shocked ordinary chondrite meteorites with implications on the dynamic of impacts among asteroids» by the Barringer Family Fund (part of it is by my PhD Student Stamatios Xydous). Budget ~4.000€.

LANGUAGES

Speak and Write English language fluently.

PUBLICATIONS (FULL PAPERS)

1. Mposkos, E., Baziotis, I., Proyer, A. and Hoinkes, G. (2006). Dolomitic marbles from the ultra-high pressure metamorphic Kimi Complex in Rhodope, N.E. Greece. Mineralogy and Petrology, 88, 341-362.
2. Baziotis, I., Mposkos, E. and Perdikatsis, V. (2008). Geochemistry of amphibolitized eclogites and cross-cutting tonalitic-trondhjemitic dykes in the metamorphic Kimi complex in East Rhodope (N.E. Greece): implications for partial melting at the base of a thickened crust. International Journal of Earth Sciences, 97, 459-477.
3. Baziotis, I., Mposkos, E. and Asimow, P.D. (2008). Petrogenesis of ultramafic rocks from the ultrahigh-pressure metamorphic Kimi Complex in Eastern Rhodope (NE Greece). Journal of Petrology, 49, 5, 885-909.
4. Proyer, A., Mposkos, E., Baziotis, I. and Hoinkes, G. (2008). Tracing high-pressure metamorphism in marbles: phase relations in high-grade aluminous calcite-dolomite marbles from the Greek Rhodope Massif in the system CaO-MgO-Al_2O_3-SiO_2-CO_2. Lithos, 104, 119-130.
5. Baziotis, I., Proyer, A. and Mposkos, E. (2009). High-pressure/Low-temperature metamorphism of basalts in the Lavrion (Greece): implications for the preservation of peak metamorphic assemblages in blueschists and greenschists. European Journal of Mineralogy, 21, 133-148.
6. Mposkos, E., Baziotis, I. and Proyer, A. (2010). Metamorphic reprocessing of a serpentinized carbonate-bearing peridotite after detachment from the mantle wedge: A P-T path constrained from textures and phase diagrams in the system CaO-MgO-Al_2O_3-SiO_2-CO_2-H_2O. Lithos, 118, 349-364.
7. Baziotis, I., Leontakianakos, G., Proyer, A., Lee, H.S. and Tsimas, S. (2011). Physico-chemical properties of different carbonate rocks: are they highly enough to control lime reactivity? International Journal of Chemistry, 3(2).
8. Baziotis, I. and Mposkos, E. (2011). Origin of metabasites from upper tectonic unit of the Lavrion area (SE Attica, Greece): Geochemical implications for dual origin with distinct provenance of blueschist and greenschist`s protoliths. Lithos, 126, 161-173.
9. Baziotis, I. and Chandrinos, A. (2011). Study of the crucial role of admixture in cement production: the optimum state of cassiterite (SnO_2) addition as a natural mineralizer-oxide influencing the cement properties. Advances in Chemical Engineering and Science, 1, 215-223.
10. Mposkos, E., Baziotis, I. and Proyer, A. (2012). Pressure-temperature evolution of eclogites from the Kechros complex in the Eastern Rhodope (NE Greece). International Journal of Earth Sciences, 101(4), 973-996.
11. Baziotis, I.P., Liu, Y., DeCarli, P., Melosh, J., McSween, H.Y., Bodnar, R.J., and Taylor, L.A (2013). The Unique Tissint Martian Meteorite: Evidence for Largest Impact Excavation. Nature Communications, 4:1404 doi: 10.1038/ncomms2414.
12. Mposkos, E., Baziotis, I., Leontakianakos, G. and Barry, P., (2013). The metamorphic evolution of the high-pressure Kechros complex in East Rhodope (NE Greece): Implications from Na-Al-rich leucocratic rocks within antigorite serpentinites. Lithos, 177, 17-33.
13. Baziotis, I. (2013). Theoretical observations of the ice filled craters on Martian moon Deimos. Pluralidade, 1, 56-99.
14. Howarth, G.H., Barry, P.H., Pernet-Fisher, J.F., Baziotis, I., Pokhilenko, N.P., Pokhilenko, L.N. and Taylor, L.A. (2014). Superplume Metasomatism: Evidence from Siberian Mantle Xenoliths. Lithos, 184-187, 209-224.
15. Baziotis, I., Mposkos, E. and Asimow P.D. (2014). Continental rift and oceanic protoliths of mafic rocks from the Kechros Complex, NE Rhodope (Greece): implications from petrography, major and trace element systematics, and MELTS modeling. International Journal of Earth Sciences, 103, 981-1003.
16. Proyer, A., Baziotis, I., Mposkos, E. and Rhede, D. (2014). Ti- and Zr-minerals in calcite-dolomite marbles from the Greek Rhodope: Rutile, titanite, geikielite-ilmenite, zircon,

zirconolite, assite and their reaction textures in calcite-dolomite marbles from the Rhodope massif, NE Greece. American Mineralogist, 99(7), 1429-1448.
17. Leontakianakos, G., Baziotis, I., Papandreou, A., Kanellopoulou, D., Stathopoulos, V.N. and Tsimas, S. (2014). A comparative study of the physicochemical properties of Mg-rich and Ca-rich quicklimes and their effect on reactivity. Materials and Structures, 10, 1-19.
18. Vallianatos, F., Baziotis, I. P., Udry, A. and Taylor, L. A. (2014). Application of non-extensive statistical physics on Martian nakhlites: A first-order approach on the crystal size distribution of pyroxene using Tsallis entropy. Europhysics Letters (EPL), 108(5), 58002.
19. Wawrzenitz, N., Krohe, A., Baziotis, I., Mposkos, E., Kylander-Clark, A. R., & Romer, R. L. (2015). LASS U-Th-Pb monazite and rutile geochronology of felsic high-pressure granulites (Rhodope, N Greece): Effects of fluid, deformation and metamorphic reactions in local subsystems. Lithos,
20. He, Q., Xiao, L., Balta, J. B., Baziotis, I. P., Hsu, W., & Guan, Y. (2015). Petrography and geochemistry of the enriched basaltic shergottite Northwest Africa 2975. Meteoritics & Planetary Science, 50(12), 2024-2044.
21. Markou, G., Inglezakis, V. J., Mitrogiannis, D., Efthimiopoulos, I., Psychoyou, M., Koutsovitis, P., ... & Baziotis, I. (2016). Sorption mechanism(s) of orthophosphate onto $Ca(OH)_2$ pretreated bentonite. RSC Advances, 6(27), 22295-22305.
22. Liu, Y., Baziotis, I. P., Asimow, P. D., Bodnar, R. J., & Taylor, L. A. (2016). Mineral chemistry of the Tissint meteorite: Indications of two-stage crystallization in a closed system. Meteoritics & Planetary Science, 51(12), 2293-2315.
23. Leontakianakos, G., Baziotis, I., Stathopoulos, V. N., Kypritidou, Z., Profitis, L., Chatzitheodoridis, E., & Tsimas, S. (2016). Influence of natural water composition on reactivity of quicklime derived from Ca-rich and Mg-rich limestone: implications for sustainability of lime manufacturing through geochemical modeling. RSC Advances, 6(70), 65799-65807.
24. Baziotis, I., Tsai, C. H., Ernst, W. G., Jahn, B. M., & Iizuka, Y. (2017). New P-T constraints on the Tamayen glaucophane-bearing rocks, eastern Taiwan: Perple_X modelling results and geodynamic implications. Journal of Metamorphic Geology, 35(1), 35-54.
25. Mitrogiannis, D., Psychoyou, M., Baziotis, I., Inglezakis, V. J., Koukouzas, N., Tsoukalas, N., ... & Markou, G. (2017). Removal of phosphate from aqueous solutions by adsorption onto Ca(OH)2 treated natural clinoptilolite. Chemical Engineering Journal, 320, 510-522.
26. Baziotis, I., Asimow, P. D., Ntaflos, T., Boyce, J. W., McCubbin, F. M., Koroneos, A., ... & Klemme, S. (2017). Phosphorus zoning as a recorder of crystal growth kinetics: application to second-generation olivine in mantle xenoliths from the Cima Volcanic Field. Contributions to Mineralogy and Petrology, 172(7), 58.
27. Baziotis, I., Economou-Eliopoulos, M., & Asimow, P. D. (2017). Ultramafic lavas and high-Mg basaltic dykes from the Othris ophiolite complex, Greece. Lithos, 288, 231-247. https://doi.org/10.1016/j.lithos.2017.07.015
28. Stouraiti, C., Baziotis, I., Asimow, P. D., & Downes, H. (2018). Geochemistry of the Serifos calc-alkaline granodiorite pluton, Greece: constraining the crust and mantle contributions to I-type granitoids. International Journal of Earth Sciences, 107(5), 1657-1688.
29. Markou, G., Mitrogiannis, D., Inglezakis, V., Muylaert, K., Koukouzas, N., Tsoukalas, N., ... & Baziotis, I. (2018). $Ca(OH)_2$ Pre-Treated Bentonite for Phosphorus Removal and Recovery From Synthetic and Real Wastewater. CLEAN-Soil, Air, Water, 46(2), 1700378.
30. Mitrogiannis, D., Psychoyou, M., Koukouzas, N., Tsoukalas, N., Palles, D., Kamitsos, E., ... & Baziotis, I. (2018). Phosphate recovery from real fresh urine by Ca(OH)2 treated natural zeolite. Chemical Engineering Journal, 347, 618-630.
31. Baziotis, I., Kimura, J. I., Pantazidis, A., Klemme, S., Berndt, J., & Asimow, P. (2018). Geophysical source conditions for basaltic lava from Santorini volcano based on geochemical modeling. Lithos, 316-317, 295-303.
32. Baziotis, I., Asimow, P. D., Hu, J., Ferriere, L., Ma, C., Cernok, A., ... & Topa, D. (2018). High pressure minerals in the Chateau-Renard (L6) ordinary chondrite: implications for collisions on its parent body. Scientific reports, 8(1), 9851.

33. Klemme, S., Berndt, J., Mavrogonatos, C., Flemetakis, S., Baziotis, I., Voudouris, P., & Xydous, S. (2018). On the Color and Genesis of Prase (Green Quartz) and Amethyst from the Island of Serifos, Cyclades, Greece. Minerals, 8(11), 487.
34. Baziotis, I., Proyer, A., Mposkos, E., Windley, B., & Boukouvala, I. (2019). Exhumation of the high-pressure northwestern Cyclades, Aegean: New PT constraints, and geodynamic evolution. Lithos, 324, 439-453.
35. Pantazidis, A., Baziotis, I., Solomonidou, A., Manoutsoglou, E., Palles, D., Kamitsos, E., ... & Berndt, J. (2019). Santorini volcano as a potential Martian analogue: The Balos Cove Basalts. Icarus, 128-140.
36. Baziotis, I., Xydous, S., Asimow, P. D., Mavrogonatos, C., Flemetakis, S., Klemme, S., & Berndt, J. (2019). The potential of phosphorus in clinopyroxene as a geospeedometer: examples from mantle xenoliths. Geochimica et Cosmochimica Acta, 266, 307-331.
37. Stouraiti, C., Beard, A., Mavrogonatos, C., Palles, D., Soulamidis, G., Strauss, H., Baziotis, I., Soukis, K., Voudouris, P., Lekkas, S., Lozios, S. (2019). Silver-rich sulfide mineralization in the northwestern termination of the Western Cycladic Detachment System, at Agios Ioannis Kynigos, Hymittos Mt. (Attica, Greece): a mineralogical, geochemical and stable isotope study. Ore Geology Reviews, 111, 102992.
38. Baziotis, I., Xydous, S., Manimanaki, S., Liritzis, I. (2020). An integrated method for ceramic characterization: A case study from the newly excavated Kastrouli site (Late Helladic). Journal of Cultural Heritage, 42, 274-279.
39. Baziotis, I., Mposkos, E., Windley, B., Lamont, T., (2020). Exhumation of Attica high-pressure rocks in a subduction channel: new metamorphic PT constraints from Attica, NW Cyclades, Greece. Lithos, 354-355, 105266.
40. Mitrogiannis, D., Psychoyou, M., , Kornaros, M.E., Tsigkou, K., Brul?, M., Koukouzas, N., Alexopoulos, D., Palles, D., Kamitsos, E., Oikonomou, G., Papoutsa, A., Xydous, S., Baziotis, I., (2020). Calcium modified clinoptilolite as a recovery medium of phosphate and potassium from anaerobically digested olive mill wastewater. Environmental Science and Pollution Research, 27(3), 2977-2991).
41. Solomonidou, A., Neish, C., Coustenis, A., Malaska, M., Le Gall, A., Lopes, R. M. C., ..., Baziotis, I., Drossart, P., (2020). The chemical composition of impact craters on Titan. I. Implications for exogenic processing. Astronomy and Astrophysics, 641, A16.
42. Mposkos, E., Krohe, A., Baziotis, I., (2021). Deep tectonics in the Eastern Hellenides uncovered: The record of Variscan continental amalgamation, Permo-Triassic rifting, and Early Alpine collision in Pre-Variscan continental crust in the W-Rhodope (Vertiscos-Ograzden Complex, N-Greece). Tectonics, 40(2), e2019TC005557.
43. Walton, C. R., Baziotis, I., Černok, A., Ferrière, L., Asimow, P. D., Shorttle, O., & Anand, M. (2021). Microtextures in the Chelyabinsk impact breccia reveal the history of Phosphorus-Olivine-Assemblages in chondrites. Meteoritics & Planetary Science, 56(4), 742-766.
44. Giannikopoulou, A., Evelpidou, N., Baziotis, I., & Karkani, A. (2021). Coastal geomorphological study of St. George bay, Western Naxos, Greece. Zeitschrift für Geomorphologie, 33-41. 10.1127/zfg/2021/0681
45. Mitrogiannis, D., Psychogiou, M., Manthos, G., Tsigkou, K., Kornaros, M. E., Koukouzas, N., ... & Baziotis, I. (2022). Phosphorus and potassium recovery from anaerobically digested olive mill wastewater using modified zeolite, fly ash and zeolitic fly ash: a comparative study. Journal of Chemical Technology & Biotechnology.
46. Baziotis, I., Xydous, S., Papoutsa, A., Hu, J., Ma, C., Klemme, S., ... & Asimow, P. (2022). Jadeite and related species in shocked meteorites: Limitations on inference of shock conditions American Mineralogist, 107(10, 1868-1877.
47. Baziotis, I., Ma, C., Guan, Y., Ferrière, L., Xydous, S., Hu, J., Kipp, M. A., Tissot, F. L. H., & Asimow, P. D. (2022). Unique evidence of fluid alteration in the Kakowa (L6) ordinary chondrite. Scientific Reports, 12, 5520.

48. He, Q., Li, Y., Baziotis, I., Qian, Y., Xiao, L., Wang, Z., ... & Wang, L. (2022). Detailed petrogenesis of the unsampled Oceanus Procellarum: The case of the Chang'e-5 mare basalts. Icarus, 115082.
49. Baziotis, I. P., Xydous, S., Papoutsa, A., Hu, J., Ma, C., Ferrière, L., ... & Asimow, P. D. (2023). Investigation of the shocked Viñales ordinary chondrite (L6) meteorite fall–Implications for shock classification, fragmentation, and collision dynamics. Icarus, 390, 115326.
50. Mitrogiannis, D., Psychoyou, M., Baziotis, I., Mavrogonatos, C., Koukouzas, N., Anastopoulos, I., ... & Inglezakis, V. J. (2023). Phosphate removal by Ca $(OH)_2$-treated natural minerals: Experimental and modeling studies. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 660, 130805.
51. Mitrogiannis, D., Psychogiou, M., Bourazas, K., Palles, D., Kamitsos, E. I., Mavrogonatos, C., & Baziotis, I. (2023). Interactions of Real Urine with Modified Palygorskite and Zeolite Focusing on Adsorption Mechanisms, Nutrient Bioavailability and Soil Conditioner Upgrade. Water, Air, & Soil Pollution, 234(6), 394.
52. Xydous, S., Baziotis, I. P., Klemme, S., Bizimis, M., Vroon, P. Z., Berndt, J., ... & Asimow, P. D. (2023). Petrological and geochemical evidence for a hot crystallization path and a recharge filtering bypass at Antimilos, Milos volcanic field, Greece. Contributions to Mineralogy and Petrology, 178(11), 82.
53. Walton, C. R., Jeon, H., Černok, A., Rae, A. S., Baziotis, I., Tang, F., ... & Shorttle, O. (2023). In-situ phosphate U-Pb ages of the L chondrites. Geochimica et Cosmochimica Acta, 359, 191-204.
54. Mposkos, E., Krohe, A., Walton, C., & Baziotis, I. (2023). Jurassic to early Cretaceous geodynamic evolution of the eastern Hellenides. International Journal of Earth Sciences, 1-22.
55. He, Qi., CaO, Z., Qian, Y., Hejiu, H., Baziotis, I., Xiao, L., Wang, Z., Luo, B., Li, Y., Zongjun, Y., & Li, Y. (2024). Petrogenesis of magnesian troctolitic granulite clasts from Chang'e-5 drilling sample: Implications for the origin of ejecta material from lunar highlands. Icarus.